



# SEQUENCE LISTING

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Ramot University Authority for Applied Research &  
Industrial Development Ltd.  
The Government of the United States  
as represented by The Secretary of the  
Department of Health and Human Services

<120> Orally Active Peptides That Prevent Cell Damage and  
Death

<130> 15280W-002100US

<140> US 10/049,587  
<141> 2002-02-12

<150> US 60/149,956  
<151> 1999-08-18

<150> WO PCT/US00/22861  
<151> 2000-08-17

<160> 19

<170> PatentIn Ver. 2.1

<210> 1  
<211> 9  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:activity  
dependent neurotrophic factor I (ADNF I) active  
core site, ADNF-9, SAL

<400> 1  
Ser Ala Leu Leu Arg Ser Ile Pro Ala  
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<210> 2  
<211> 8  
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<213> Artificial Sequence

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<223> Description of Artificial Sequence:activity  
dependent neuroprotective protein (ADNP or ADNF  
III) active core site, ADNF III-8, NAP

<400> 2  
Asn Ala Pro Val Ser Ile Pro Gln  
1 5

<210> 3  
 <211> 89  
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<220>  
 <223> Description of Artificial Sequence:ADNF I polypeptide

<220>  
 <221> MOD\_RES  
 <222> (1..40)  
 <223> Xaa = any amino acid, Xaa at positions 1-40 may be present or absent

<220>  
 <221> MOD\_RES  
 <222> (50..89)  
 <223> Xaa = any amino acid, Xaa at positions 50-89 may be present or absent

<400> 3  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   1                                  5                                  10                                  15  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
                                   20                                  25                                  30  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Ser Ala Leu Leu Arg Ser Ile Pro  
                                   35                                  40                                  45  
 Ala Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
   50                                  55                                  60  
 Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
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                                   85

<210> 4  
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<220>  
 <223> Description of Artificial Sequence:ADNF III polypeptide

<220>  
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 <222> (1..40)  
 <223> Xaa = any amino acid, Xaa at positions 1-40 may be present or absent

<220>  
 <221> MOD\_RES  
 <222> (49..88)  
 <223> Xaa = any amino acid, Xaa at positions 49-88 may be present or absent

<400> 4  
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1 5 10 15  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
20 25 30  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Asn Ala Pro Val Ser Ile Pro Gln  
35 40 45  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
50 55 60  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
65 70 75 80  
Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa  
85

<210> 5  
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<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:1-R in formula  
for ADNF I polypeptide

<400> 5  
Val Leu Gly Gly Gly  
1 5

<210> 6  
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<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:1-R in formula  
for ADNF I polypeptide

<400> 6  
Val Glu Glu Gly Ile Val Leu Gly Gly Gly  
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<210> 7  
<211> 5  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence:3-R or 4-R in  
formula for ADNF III polypeptide

<400> 7  
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1 5

<210> 8  
<211> 8  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:3-R in formula  
for ADNF III polypeptide

<400> 8  
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<210> 9  
<211> 4  
<212> PRT  
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<220>  
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<400> 9  
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<210> 10  
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<210> 11  
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<212> PRT  
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<220>  
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for ADNF I polypeptide

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<210> 12  
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<220>  
<223> Description of Artificial Sequence:4-R in formula  
for ADNF III polypeptide

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<210> 13  
<211> 5  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:4-R in formula  
for ADNF III polypeptide

<400> 13  
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<210> 14  
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<212> PRT  
<213> Artificial Sequence

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<211> 19  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence:ADNF I polypeptide

<400> 15  
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Ile Pro Ala

<210> 16  
<211> 13  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence:ADNF I polypeptide

<400> 16  
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1 5 10

<210> 17  
<211> 12  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:ADNF I polypeptide

<400> 17  
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1 5 10

<210> 18  
<211> 11  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:ADNF I polypeptide

<400> 18  
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1 5 10

<210> 19  
<211> 10  
<212> PRT  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence:ADNF I polypeptide

<400> 19  
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1 5 10